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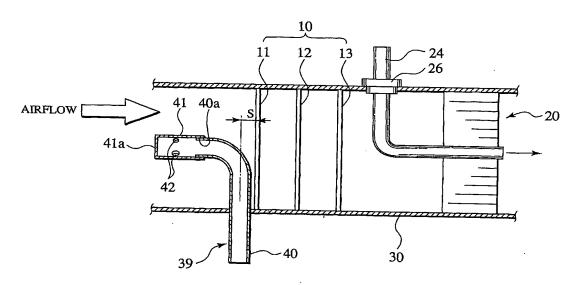
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(54) Title: HYDROGEN COMBUSTION DEVICE HAVING HYDROGEN PIPE



4/059210 A1 (57) Abstract: A hydrogen combustion device includes a casing 30, a hydrogen source, a hydrogen pipe 39 to supply hydrogen gas from the hydrogen source into the casing 30, a mixer 10 on the downstream side of the pipe 39, for stirring a mixed gas and a combustion catalyst 20. The hydrogen pipe 39 has a hydrogen pipe body 40 and a hydrogen ejecting part 41 with hydrogen ejecting orifices 42. In the hydrogen combustion device, the hydrogen ejecting part 41 is positioned at a substantial center in the cross section of an air passage in the casing 30, extending along the flowing direction of the airflow in the air passage. The hydrogen ejecting orifices 40 are arranged so that their axes extend in the radial direction of the hydrogen ejecting part 41, substantially perpendicularly to the flowing direction of the airflow.

